

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
<b>00-0000</b>	<b>Total, All Occupations</b>	166,650	189,040	22,390	13.4%	2,240	4,140	6,380		\$32,213	\$8.89 - \$19.06
<b>11-0000</b>	<b>Management Occs</b>	6,300	7,290	990	15.7%	100	120	220		\$75,416	\$22.00 - \$44.63
11-1011	Chief Executives	240	280	40	16.7%	<5	10	10	Bachelor's degree or more, plus work exp.	\$150,177	\$48.73 -
11-1021	General and Operations Mgrs	1,770	2,030	260	14.7%	30	30	60	Bachelor's degree or more, plus work exp.	\$89,401	\$24.58 - \$55.03
11-1031	Legislators	330	310	-20	-6.1%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$17,040	\$6.10 - \$7.09
11-2011	Advertising/Promotions Mgrs	80	90	10	12.5%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$58,371	\$17.78 - \$36.32
11-2021	Marketing Mgrs	100	120	20	20.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$77,644	\$28.24 - \$45.86
11-2022	Sales Mgrs	280	360	80	28.6%	10	10	20	Bachelor's degree or more, plus work exp.	\$83,484	\$24.54 - \$47.52
11-2031	Public Relations Mgrs	50	60	10	20.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$58,870	\$20.11 - \$32.75
11-3011	Administrative Services Mgrs	180	210	30	16.7%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$63,744	\$19.73 - \$38.70
11-3021	Computer/Information Systems Mgrs	170	210	40	23.5%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$80,010	\$29.37 - \$44.48
11-3031	Financial Mgrs	350	410	60	17.1%	10	10	20	Bachelor's degree or more, plus work exp.	\$80,608	\$27.98 - \$47.43
11-3040	Human Resources Mgrs	140	170	30	21.4%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$67,713	\$23.64 - \$38.15
11-3051	Industrial Production Mgrs	360	390	30	8.3%	<5	10	10	Bachelor's degree	\$77,249	\$27.42 - \$43.80
11-3061	Purchasing Mgrs	110	110	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$65,612	\$21.98 - \$39.08
11-3071	Transportation/Storage/Distrib Mgrs	70	80	10	14.3%	<5	<5	<5	Work exp. in a related occupation	\$63,128	\$23.10 - \$36.99
11-9011	Farm/Ranch/Other Ag Mgrs	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
11-9021	Construction Mgrs	130	160	30	23.1%	<5	<5	<5	Bachelor's degree	\$72,943	\$24.55 - \$45.52
11-9031	Educ Admin, Preschool/Child Care	100	140	40	40.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$45,292	\$11.15 - \$29.73
11-9032	Educ Admin, Elem/Sec School	240	280	40	16.7%	<5	10	10	Bachelor's degree or more, plus work exp.	\$77,867	-
11-9033	Educ Admin, Postsecondary	180	220	40	22.2%	<5	10	10	Bachelor's degree or more, plus work exp.	\$63,051	\$21.58 - \$36.67
11-9039	Educ Admin, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
11-9041	Engineering Mgrs	220	250	30	13.6%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$92,698	\$34.23 - \$48.72
11-9051	Food Service Mgrs	310	360	50	16.1%	10	10	20	Work exp. in a related occupation	\$39,798	\$15.36 - \$22.43
11-9061	Funeral Directors	50	50	0	0.0%	<5	<5	<5	Associate degree	\$62,712	\$20.04 - \$41.75
11-9071	Gaming Mgrs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
11-9081	Lodging Mgrs	70	80	10	14.3%	<5	<5	<5	Work exp. in a related occupation	\$43,193	\$14.05 - \$26.58
11-9111	Medical/Health Services Mgrs	220	300	80	36.4%	10	<5	10	Bachelor's degree or more, plus work exp.	\$72,275	\$23.61 - \$36.04
11-9121	Natural Sciences Mgrs	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
11-9131	Postmasters/Mail Superintendents	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$52,311	\$21.67 - \$29.06
11-9141	Prop/RE/Community Assoc Mgrs	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$97,534	\$14.34 -
11-9151	Social/Community Service Mgrs	130	160	30	23.1%	<5	<5	<5	Bachelor's degree	\$43,476	\$15.33 - \$24.70
11-9199	Mgrs, All Other	260	300	40	15.4%	<5	10	10	Work exp. in a related occupation	\$70,079	\$25.87 - \$41.07

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
<b>13-0000</b>	<b>Business/Financial Operations Occs</b>	4,150	5,010	860	20.7%	90	80	170		\$49,612	\$15.94 - \$28.05
13-1011	Agents/Bus Mgrs Artsts/Prfrms/Ath	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
13-1021	Purch Agents/Buyers Farm Prod	10	20	10	100.0%	<5	<5	<5	Work exp. in a related occupation	\$43,809	\$17.45 - \$22.91
13-1022	Whole/Retail Buyers Ex Farm Prod	140	150	10	7.1%	<5	<5	<5	Bachelor's degree	\$39,310	\$12.09 - \$24.21
13-1023	Purch Agents Ex Whole/Retail/Farm	350	390	40	11.4%	<5	10	10	Bachelor's degree	\$45,102	\$16.69 - \$25.44
13-1031	Claims Adjust/Exam/Investigators	90	110	20	22.2%	<5	<5	<5	Long-term on-the-job training	\$42,877	\$18.00 - \$21.76
13-1032	Insurance Appraisers Auto Damage	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
13-1041	Compl Offcrs Ex Ag/Cnst/Hlth/Sfty/Tr	110	130	20	18.2%	<5	<5	<5	Long-term on-the-job training	\$73,336	\$17.92 - \$50.85
13-1051	Cost Estimators	250	310	60	24.0%	10	10	20	Bachelor's degree	\$43,589	\$16.14 - \$25.41
13-1061	Emergency Mgmt Specialists	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
13-1071	Empl/Recruit/Placement Specialists	190	230	40	21.1%	<5	<5	<5	Bachelor's degree	\$41,007	\$13.67 - \$23.37
13-1072	Compen/Benefits/Job Specialists	80	110	30	37.5%	<5	<5	<5	Bachelor's degree	\$42,288	\$15.79 - \$23.60
13-1073	Training/Development Specialists	160	210	50	31.3%	10	<5	10	Bachelor's degree	\$39,593	\$13.27 - \$23.69
13-1111	Management Analysts	220	260	40	18.2%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$103,969	\$23.07 -
13-1121	Meeting and Convention Planners	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$38,125	\$13.72 - \$21.87
13-1199	Business Oper Specialists/All Other	830	1,050	220	26.5%	20	10	30	Bachelor's degree	\$42,172	\$7.38 - \$27.81
13-2011	Accountants and Auditors	970	1,170	200	20.6%	20	20	40	Bachelor's degree	\$52,353	\$18.98 - \$29.23
13-2021	Appraisers/Assessors Real Estate	50	60	10	20.0%	<5	<5	<5	Postsecondary vocational training	\$47,277	\$19.69 - \$26.27
13-2031	Budget Analysts	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$54,714	\$20.55 - \$31.20
13-2041	Credit Analysts	40	50	10	25.0%	<5	<5	<5	Bachelor's degree	\$52,713	\$17.58 - \$32.66
13-2051	Financial Analysts	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$60,092	\$19.67 - \$37.83
13-2052	Personal Financial Advisors	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$101,509	\$19.25 -
13-2053	Insurance Underwriters	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-2061	Financial Examiners	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-2071	Loan Counselors	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$47,512	\$14.13 - \$31.34
13-2072	Loan Officers	240	290	50	20.8%	10	<5	10	Bachelor's degree	\$41,604	\$13.35 - \$23.36
13-2081	Tax Exam/Collctr/Revenue Agents	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$51,625	\$20.24 - \$27.85
13-2082	Tax Preparers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
13-2099	Financial Specialists/All Other	40	50	10	25.0%	<5	<5	<5	Bachelor's degree	\$44,726	\$16.55 - \$25.46
<b>15-0000</b>	<b>Computer &amp; Mathematical Occs</b>	1,650	2,130	480	29.1%	50	20	70		\$55,925	\$17.78 - \$30.89
15-1011	Computer/Info Scientists/Research	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
15-1021	Computer Programmers	250	260	10	4.0%	<5	10	10	Bachelor's degree	\$52,865	\$18.26 - \$29.80
15-1031	Computer Software Engrns Apps	*	*	*	*	10	<5	10	Bachelor's degree	*	* - *

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15-1032	Computer Soft Engrns Systms Soft	50	70	20	40.0%	<5	<5	<5	Bachelor's degree	\$73,437	\$27.73 - \$41.26
15-1041	Computer Support Specialists	340	420	80	23.5%	10	<5	10	Associate degree	\$40,472	\$15.49 - \$22.11
15-1051	Computer Systems Analysts	390	520	130	33.3%	10	<5	10	Bachelor's degree	\$73,851	\$20.71 - \$34.82
15-1061	Database Administrators	60	90	30	50.0%	<5	<5	<5	Bachelor's degree	\$54,016	\$18.11 - \$33.38
15-1071	Network/Computer Systems Admin	190	250	60	31.6%	10	<5	10	Bachelor's degree	\$49,814	\$19.04 - \$27.45
15-1081	Network Systms/Data Comm Analysts	100	150	50	50.0%	10	<5	10	Bachelor's degree	\$62,408	\$17.50 - \$34.02
15-1099	Computer Specialists/All Other	90	110	20	22.2%	<5	<5	<5	Associate degree	\$38,710	\$13.19 - \$21.97
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
15-2021	Mathematicians	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
<b>17-0000</b>	<b>Architecture/Engineering Occs</b>	2,750	2,990	240	8.7%	20	60	80		\$54,519	\$19.36 - \$32.12
17-1011	Architects/Ex Landscape/Naval	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$68,309	\$24.71 - \$37.98
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-1021	Cartographers/Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-1022	Surveyors	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$38,437	\$16.05 - \$20.89
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2031	Biomedical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2051	Civil Engineers	160	160	0	0.0%	<5	<5	<5	Bachelor's degree	\$63,065	\$23.33 - \$32.60
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2071	Electrical Engineers	210	210	0	0.0%	<5	<5	<5	Bachelor's degree	\$63,991	\$24.92 - \$33.69
17-2072	Electronics Engineers/Ex Computer	80	100	20	25.0%	<5	<5	<5	Bachelor's degree	\$62,750	\$24.24 - \$35.11
17-2081	Environmental Engineers	50	70	20	40.0%	<5	<5	<5	Bachelor's degree	\$58,963	\$21.64 - \$36.27
17-2111	Health/Safety Engineers/Ex Mining	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$49,936	\$20.41 - \$26.37
17-2112	Industrial Engineers	300	340	40	13.3%	<5	10	10	Bachelor's degree	\$59,381	\$22.74 - \$34.16
17-2131	Materials Engineers	70	70	0	0.0%	<5	<5	<5	Bachelor's degree	\$62,625	\$25.81 - \$35.06
17-2141	Mechanical Engineers	510	540	30	5.9%	<5	10	10	Bachelor's degree	\$62,846	\$24.70 - \$35.40
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2199	Engineers/All Other	130	150	20	15.4%	<5	<5	<5	Bachelor's degree	\$66,608	\$26.86 - \$37.73
17-3011	Architectural/Civil Drafters	80	80	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$35,439	\$14.89 - \$20.06
17-3012	Electrical/Electronics Drafters	60	60	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$37,021	\$14.67 - \$20.87

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17-3013	Mechanical Drafters	230	240	10	4.3%	<5	10	10	Postsecondary vocational training	\$43,833	\$16.68 - \$24.77
17-3021	Aerospace Engrng/Opers Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
17-3022	Civil Engineering Techs	90	90	0	0.0%	<5	<5	<5	Associate degree	\$38,966	\$16.38 - \$21.09
17-3023	Electrical/Electronic Engrng Techs	210	230	20	9.5%	<5	<5	<5	Associate degree	\$41,681	\$15.35 - \$23.58
17-3024	Electro-Mechanical Techs	50	60	10	20.0%	<5	<5	<5	Associate degree	\$44,252	\$17.12 - \$25.25
17-3025	Environmental Engineering Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
17-3026	Industrial Engineering Techs	80	90	10	12.5%	<5	<5	<5	Associate degree	\$40,151	\$16.44 - \$21.75
17-3027	Mechanical Engineering Techs	100	110	10	10.0%	<5	<5	<5	Associate degree	\$38,784	\$14.92 - \$21.46
17-3031	Surveying/Mapping Techs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
17-3099 <sup>(7)</sup>	Drafters/Engrng/Map Techs AO	70	80	10	14.3%	<5	<5	<5	Associate degree	\$37,678	\$14.26 - \$20.80
<b>19-0000</b>	<b>Life, Physical, and Social Sci Occs</b>	<b>1,320</b>	<b>1,530</b>	<b>210</b>	<b>15.9%</b>	<b>20</b>	<b>30</b>	<b>50</b>		<b>\$47,584</b>	<b>\$15.13 - \$28.13</b>
19-1010	Agricultural and Food Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-1031	Conservation Scientists	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,885	\$18.33 - \$24.91
19-1032	Foresters	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$40,955	\$17.01 - \$21.51
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-1042	Med Scientists Ex Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-1099	Life Scientists/All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-2031	Chemists	120	120	0	0.0%	<5	<5	<5	Bachelor's degree	\$50,795	\$18.56 - \$30.34
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-2041	Environ Sci/Specialists/Incl Health	50	60	10	20.0%	<5	<5	<5	Master's degree	\$44,125	\$17.91 - \$24.60
19-2042	Geoscien Ex Hydrolog/Geograph	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-2099	Physical Scientists/All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3021	Market Research Analysts	150	190	40	26.7%	<5	<5	<5	Master's degree	\$52,532	\$17.72 - \$30.39
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3031	Clinical/Counseling/School Psych	160	200	40	25.0%	<5	<5	<5	Doctoral degree	\$60,328	\$20.85 - \$35.81

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19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3051	Urban and Regional Planners	30	40	10	33.3%	<5	<5	<5	Master's degree	\$56,542	\$22.64 - \$32.08
19-3091	Anthropologists/Archeologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3099	Social Scientists/Related Wrks AO	80	100	20	25.0%	<5	<5	<5	Master's degree	\$60,198	\$24.91 - \$34.57
19-4011	Agricultural and Food Science Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
19-4021	Biological Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
19-4031	Chemical Techs	130	140	10	7.7%	<5	<5	<5	Associate degree	\$38,838	\$13.27 - \$18.76
19-4091	Envir Sci/Protect Techs Incl Health	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
19-4093	Forest/Conservation Techs	20	20	0	0.0%	<5	<5	<5	Associate degree	\$31,417	\$13.89 - \$16.88
19-4099	Life/Physical/Social Sci Techs AO	110	130	20	18.2%	<5	<5	<5	Associate degree	\$31,197	\$11.08 - \$17.99
<b>21-0000</b>	<b>Community/Social Services Occs</b>	2,640	3,210	570	21.6%	60	50	110		\$38,047	\$12.70 - \$21.32
21-1011	Sub Abuse/Behavior Disordr Cnslrs	50	70	20	40.0%	<5	<5	<5	Master's degree	\$39,771	\$14.62 - \$22.86
21-1012	Ed/Vocational/School Counselors	220	240	20	9.1%	<5	10	10	Master's degree	\$47,243	\$15.10 - \$28.60
21-1013	Marriage/Family Therapists	30	40	10	33.3%	<5	<5	<5	Master's degree	\$61,057	\$13.91 - \$48.59
21-1014	Mental Health Counselors	70	90	20	28.6%	<5	<5	<5	Master's degree	\$56,486	\$12.48 - \$48.02
21-1015	Rehabilitation Counselors	150	190	40	26.7%	<5	<5	<5	Master's degree	\$33,371	\$12.12 - \$20.12
21-1021	Child/Family/School Social Wrks	380	460	80	21.1%	10	10	20	Master's degree	\$29,462	\$11.26 - \$16.59
21-1022	Medical/Public Health Social Wrks	120	160	40	33.3%	<5	<5	<5	Master's degree	\$38,067	\$15.67 - \$20.81
21-1023	Mental Hlth/Sub Abuse Social Wrks	90	120	30	33.3%	<5	<5	<5	Master's degree	\$30,301	\$12.33 - \$16.71
21-1091	Health Educators	40	40	0	0.0%	<5	<5	<5	Master's degree	\$30,761	\$10.06 - \$19.23
21-1092	Prob Offcrs/Correctnl Treat Spclsts	120	130	10	8.3%	<5	<5	<5	Bachelor's degree	\$36,079	\$14.71 - \$20.11
21-1093	Social/Human Service Assts	450	650	200	44.4%	20	10	30	Moderate-term on-the-job training	\$29,870	\$10.41 - \$18.18
21-2011	Clergy	530	540	10	1.9%	<5	10	10	Master's degree	\$38,701	\$16.39 - \$20.51
21-2021	Directors/Religious Activities/Ed	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
21-9099 <sup>(7)</sup>	Counsel/Social/Religious Wrks AO	260	320	60	23.1%	10	10	20	Bachelor's degree	\$43,945	\$17.84 - \$25.35
<b>23-0000</b>	<b>Legal Occs</b>	580	720	140	24.1%	10	10	20		\$60,036	\$19.77 - \$36.32
23-1011	Lawyers	360	460	100	27.8%	10	10	20	First professional degree	\$71,953	\$24.22 - \$40.40
23-1021	Admin Law Jdgs/Adjudic/Hrng Offcr	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
23-1022	Arbitrators/Mediators/Conciliators	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
23-1023	Jdgs/Magistrate Jdgs/Magistrates	10	10	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$32,932	\$5.90 - \$24.40

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
23-2011	Paralegals and Legal Assistants	110	140	30	27.3%	<5	<5	<5	Associate degree	\$43,126	\$16.41 - \$25.12
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
23-2093	Title Exam/Abstractors/Searchers	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,695	\$13.09 - \$18.92
23-9099 <sup>(7)</sup>	Legal & Related Wrks, All Other	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$36,561	\$14.26 - \$20.72
<b>25-0000</b>	<b>Ed, Training, &amp; Library Occs</b>	<b>9,510</b>	<b>11,320</b>	<b>1,810</b>	<b>19.0%</b>	<b>180</b>	<b>200</b>	<b>380</b>		<b>\$39,284</b>	<b>\$12.94 - \$24.57</b>
25-1011	Business Teachers, Postsecondary	90	120	30	33.3%	<5	<5	<5	Doctoral degree	\$62,182	-
25-1021	Computer Science Teachers Ps	30	50	20	66.7%	<5	<5	<5	Doctoral degree	\$54,336	-
25-1022	Mathematical Science Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1031	Architecture Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1032	Engineering Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1041	Ag Sciences Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1042	Biological Science Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1043	Forestry/Cons Sci Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1051	Atmos/Erth/Marin/Space Sci Tch Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1052	Chemistry Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1053	Environmental Sci TeachersPs	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1054	Physics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1061	Anthropology/Archeology Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1062	Area/Ethnic/Cultur Studies Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1063	Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1064	Geography Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1065	Political Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1066	Psychology Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1067	Sociology Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1071	Health Specialties Teachers Ps	*	*	*	*	10	10	20	Master's degree	*	* - *
25-1072	Nursing Instructors/Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1081	Ed Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1082	Library Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1111	Crim Jus/Law Enforce Tchrs Ps	10	10	0	0.0%	<5	<5	<5	Doctoral degree	\$48,673	-
25-1112	Law Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1113	Social Work Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1121	Art/Drama/Music Teachers/Postsec	*	*	*	*	<5	<5	<5	Master's degree	*	* - *

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
25-1122	Communications Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1123	English Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1124	Foreign Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1125	History Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1126	Philosophy/Religion Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1191	Graduate Teaching Assts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
25-1192	Home Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1193	Rec/Fitness Studies Teachers/Ps	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
25-1194	Vocational Ed Teachers/Postsec	*	*	*	*	10	10	20	Work exp. in a related occupation	*	* - *
25-1199	Postsec Teachers/All Other	*	*	*	*	10	<5	10	Doctoral degree	*	* - *
25-2011	Preschool Teachers/Ex Special Ed	610	790	180	29.5%	20	10	30	Bachelor's degree	\$22,112	\$8.45 - \$12.57
25-2012	Kindergarten Tchrs Ex Special Ed	220	270	50	22.7%	10	<5	10	Bachelor's degree	\$39,431	-
25-2021	Elemen Schl Tchrs Ex Special Ed	1,570	1,740	170	10.8%	20	40	60	Bachelor's degree	\$37,645	-
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	950	990	40	4.2%	<5	20	20	Bachelor's degree	\$45,025	-
25-2023	Vocational Ed Tchrs/Middle School	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$45,461	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,310	1,490	180	13.7%	20	40	60	Bachelor's degree	\$43,214	-
25-2032	Voc Ed Teachers/Secondary Schl	130	130	0	0.0%	<5	<5	<5	Bachelor's degree	\$45,044	-
25-2041	Sp Ed Tchrs/Presch/Kind/Elem Schl	210	270	60	28.6%	10	10	20	Bachelor's degree	\$40,163	-
25-2042	Special Ed Teachers/Middle School	110	130	20	18.2%	<5	<5	<5	Bachelor's degree	\$38,263	-
25-2043	Special Ed Teachers/Sec School	130	170	40	30.8%	<5	<5	<5	Bachelor's degree	\$39,756	-
25-3011	Adult Liter/Rem Ed/GED Tchrs/Inst	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$43,808	\$17.84 - \$24.78
25-3021	Self-Enrichment Ed Teachers	210	280	70	33.3%	10	<5	10	Work exp. in a related occupation	\$24,020	\$7.52 - \$15.03
25-3999 <sup>(7)</sup>	Tchrs/Prim/Sec/Adult/All Other	430	590	160	37.2%	20	10	30	Bachelor's degree	\$27,709	-
25-4010	Archivists/Curators/Museum Techs	20	20	0	0.0%	<5	<5	<5	Master's degree	\$32,852	\$10.46 - \$20.96
25-4021	Librarians	190	200	10	5.3%	<5	10	10	Master's degree	\$46,576	\$18.32 - \$26.42
25-4031	Library Techs	150	160	10	6.7%	<5	10	10	Short-term on-the-job training	\$23,352	\$8.94 - \$13.23
25-9011	Audio-Visual Collections Specialists	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$35,387	\$11.81 - \$21.64
25-9021	Farm/Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
25-9031	Instructional Coordinators	80	100	20	25.0%	<5	<5	<5	Master's degree	\$50,269	\$15.88 - \$33.19
25-9041	Teacher Assts	1,370	1,610	240	17.5%	20	30	50	Associate degree	\$20,247	-
25-9199 <sup>(7)</sup>	Libr/Mus/Trng/Other Ed Wrks/AO	150	170	20	13.3%	<5	<5	<5	Bachelor's degree	\$19,780	\$6.83 - \$8.81
<b>27-0000</b>	<b>Arts/Design/Entertain/Sports/Media</b>	<b>1,810</b>	<b>2,080</b>	<b>270</b>	<b>14.9%</b>	<b>30</b>	<b>30</b>	<b>60</b>		<b>\$31,868</b>	<b>\$8.62 - \$19.96</b>
27-1011	Art Directors	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *

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27-1013	Fine Artists/Incl Pntrs/Sculptrs/Illstrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-1014	Multi-Media Artists/Animators	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-1021	Commercial/Industrial Designers	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$51,041	\$19.09 - \$28.93
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-1023	Floral Designers	120	140	20	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$20,505	\$8.72 - \$10.91
27-1024	Graphic Designers	170	210	40	23.5%	<5	<5	<5	Bachelor's degree	\$38,005	\$12.45 - \$21.39
27-1025	Interior Designers	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$30,282	\$8.46 - \$18.55
27-1026	Merch Display/Window Trimmers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
27-1027	Set/Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-1099 <sup>(7)</sup>	Art & Design Wrkrs, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2012	Producers/Directors	30	30	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$45,711	-
27-2021	Athletes/Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2022	Coaches/Scouts	240	280	40	16.7%	<5	10	10	Long-term on-the-job training	\$31,363	-
27-2023	Umpires/Refs/Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
27-2041	Music Directors/Composers	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
27-2042	Musicians/Singers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2099	Entnrns/Perfrmrs/Sports/Rel Wrk/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-3010	Announcers	60	50	-10	-16.7%	<5	<5	<5	Long-term on-the-job training	\$26,744	\$8.71 - \$15.43
27-3020	News Analysts/Reprtrs/Correspond	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
27-3031	Public Relations Specialists	190	250	60	31.6%	10	<5	10	Bachelor's degree	\$34,855	\$6.89 - \$22.70
27-3041	Editors	90	100	10	11.1%	<5	<5	<5	Bachelor's degree	\$48,659	\$16.33 - \$26.24
27-3042	Technical Writers	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$52,996	\$18.24 - \$31.92
27-3043	Writers/Authors	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$34,077	\$9.56 - \$23.51
27-3091	Interpreters/Translators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-3099	Media/Communication Wrkrs/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-4011	Audio/Video Equipment Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-4012	Broadcast Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
27-4014	Sound Engineering Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
27-4021	Photographers	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$19,802	\$6.49 - \$10.82
27-4031	Camera Oprs/TV/Video/Motion Pict	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,865	\$8.32 - \$14.94



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27-4032	Film/Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-4099	Media/Comm Equipmnt Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
<b>29-0000</b>	<b>Healthcare Practitioners &amp; Techncl Occs</b>	7,240	9,390	2,150	29.7%	220	140	360		\$53,421	\$17.12 - \$26.79
29-1011	Chiropractors	50	70	20	40.0%	<5	<5	<5	First professional degree	\$73,599	\$30.77 - \$36.66
29-1020	Dentists	190	200	10	5.3%	<5	<5	<5	First professional degree	\$137,871	\$48.88 -
29-1031	Dietitians/Nutritionists	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$43,093	\$17.93 - \$23.94
29-1041	Optometrists	20	30	10	50.0%	<5	<5	<5	First professional degree	\$81,058	\$34.74 - \$43.54
29-1051	Pharmacists	260	330	70	26.9%	10	10	20	First professional degree	\$83,200	\$37.84 - \$43.91
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1062	Family/General Practitioners	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1063	Internists, General	130	170	40	30.8%	<5	<5	<5	First professional degree	\$166,955	\$61.52 -
29-1064	Obstetricians/Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1066	Psychiatrists	20	20	0	0.0%	<5	<5	<5	First professional degree	\$117,228	\$27.47 -
29-1067	Surgeons	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1069	Physicians/Surgeons, All Other	110	130	20	18.2%	<5	<5	<5	First professional degree	\$161,115	\$59.83 -
29-1071	Physician Assistants	60	90	30	50.0%	<5	<5	<5	Bachelor's degree	\$59,231	\$24.36 - \$33.47
29-1081	Podiatrists	10	10	0	0.0%	<5	<5	<5	First professional degree	\$164,940	\$57.70 -
29-1111	Registered Nurses	2,590	3,400	810	31.3%	80	50	130	Bachelor's or Associate degree <sup>(9)</sup>	\$47,347	\$19.89 - \$25.52
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
29-1122	Occupational Therapists	150	210	60	40.0%	10	<5	10	Bachelor's degree	\$51,541	\$19.76 - \$29.16
29-1123	Physical Therapists	180	250	70	38.9%	10	<5	10	Master's degree	\$60,131	\$24.56 - \$32.75
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
29-1125	Recreational Therapists	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$22,806	\$9.35 - \$12.00
29-1126	Respiratory Therapists	80	120	40	50.0%	<5	<5	<5	Associate degree	\$43,232	\$18.48 - \$23.10
29-1127	Speech-Language Pathologists	130	160	30	23.1%	<5	<5	<5	Master's degree	\$51,867	\$21.39 - \$27.44
29-1131	Veterinarians	80	100	20	25.0%	<5	<5	<5	First professional degree	\$59,036	\$24.03 - \$33.71
29-1199	Hlth Diagnsng/Treatng Practtnrs/AO	30	50	20	66.7%	<5	<5	<5	First professional degree	\$50,577	\$13.95 - \$28.43
29-2011	Medical/Clinical Lab Technologists	160	190	30	18.8%	<5	<5	<5	Bachelor's degree	\$44,151	\$19.10 - \$23.57
29-2012	Medical/Clinical Lab Techs	100	130	30	30.0%	<5	<5	<5	Associate degree	\$31,007	\$12.72 - \$16.91
29-2021	Dental Hygienists	270	390	120	44.4%	10	<5	10	Associate degree	\$52,132	\$23.77 - \$27.06
29-2031	Cardiovascular Technlgst/Techncns	30	50	20	66.7%	<5	<5	<5	Associate degree	\$33,595	\$12.30 - \$19.26
29-2032	Diagnostic Medical Sonographers	40	50	10	25.0%	<5	<5	<5	Associate degree	\$61,260	\$27.41 - \$33.58

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29-2033	Nuclear Medicine Technologists	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
29-2034	Radiologic Technologists/Techs	200	260	60	30.0%	10	<5	10	Associate degree	\$41,819	\$17.24 - \$22.80
29-2041	Emergency Med Techs/Paramedics	290	370	80	27.6%	10	<5	10	Postsecondary vocational training	\$29,425	\$8.82 - \$16.61
29-2051	Dietetic Techs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
29-2052	Pharmacy Techs	260	330	70	26.9%	10	<5	10	Moderate-term on-the-job training	\$22,561	\$9.08 - \$12.64
29-2053	Psychiatric Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
29-2054	Respiratory Therapy Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
29-2055	Surgical Technologists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
29-2056	Veterinary Technologists/Techs	70	100	30	42.9%	<5	<5	<5	Associate degree	\$25,151	\$10.19 - \$13.78
29-2061	Licensed Pract/Vocational Nurses	660	780	120	18.2%	10	10	20	Postsecondary vocational training	\$32,503	\$14.23 - \$16.99
29-2071	Medical Records/Health Info Techs	190	310	120	63.2%	10	<5	10	Associate degree	\$23,193	\$8.77 - \$12.21
29-2081	Opticians/Dispensing	130	160	30	23.1%	<5	<5	<5	Long-term on-the-job training	\$23,626	\$9.88 - \$12.84
29-2091	Orthotists/Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
29-9010	Occ Health/Safety Spec/Techs	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$55,631	\$19.45 - \$36.47
29-9091	Athletic Trainers	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$39,433	-
29-9199 <sup>(7)</sup>	Health Prof/Tech, All Other	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
<b>31-0000</b>	<b>Healthcare Support Occs</b>	<b>4,710</b>	<b>6,320</b>	<b>1,610</b>	<b>34.2%</b>	<b>160</b>	<b>70</b>	<b>230</b>		<b>\$23,290</b>	<b>\$9.44 - \$12.81</b>
31-1011	Home Health Aides	700	1,070	370	52.9%	40	10	50	Short-term on-the-job training	\$19,776	\$8.74 - \$10.63
31-1012	Nursing Aides/Orderlies/Attendants	2,330	2,910	580	24.9%	60	30	90	Short-term on-the-job training	\$22,303	\$9.38 - \$11.89
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
31-2011	Occupational Therapist Assts	30	50	20	66.7%	<5	<5	<5	Associate degree	\$38,411	\$16.06 - \$21.00
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
31-2021	Physical Therapist Assts	80	110	30	37.5%	<5	<5	<5	Associate degree	\$32,220	\$12.74 - \$18.01
31-2022	Physical Therapist Aides	50	80	30	60.0%	<5	<5	<5	Short-term on-the-job training	\$23,373	\$8.64 - \$12.89
31-9011	Massage Therapists	70	90	20	28.6%	<5	<5	<5	Postsecondary vocational training	\$24,200	\$7.11 - \$13.15
31-9091	Dental Assts	430	610	180	41.9%	20	10	30	Moderate-term on-the-job training	\$27,016	\$11.74 - \$14.48
31-9092	Medical Assts	330	520	190	57.6%	20	10	30	Moderate-term on-the-job training	\$27,218	\$10.57 - \$14.78
31-9093	Medical Equipment Preparers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
31-9094	Medical Transcriptionists	210	260	50	23.8%	10	<5	10	Postsecondary vocational training	\$27,933	\$11.74 - \$15.68
31-9095	Pharmacy Aides	130	150	20	15.4%	<5	<5	<5	Short-term on-the-job training	\$21,607	\$8.52 - \$12.26
31-9096	Vet Assts/Lab Animal Caretakers	40	60	20	50.0%	<5	<5	<5	Short-term on-the-job training	\$18,316	\$7.66 - \$10.21
31-9099	Healthcare Support Wrkrs/All Other	*	*	*	*	10	10	20	Short-term on-the-job training	*	* - *
<b>33-0000</b>	<b>Protective Service Occs</b>	<b>2,760</b>	<b>3,180</b>	<b>420</b>	<b>15.2%</b>	<b>40</b>	<b>80</b>	<b>120</b>		<b>\$36,306</b>	<b>\$12.88 - \$22.37</b>

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replace-ments	Total Openings			
33-1011	First-Line Sup/Mgr of Corr Offcrs	30	40	10	33.3%	<5	<5	<5	Work exp. in a related occupation	\$50,015	\$21.03 - \$26.28
33-1012	First-Line Sup/Mgr of Police/Detect	80	90	10	12.5%	<5	<5	<5	Work exp. in a related occupation	\$60,629	\$24.83 - \$33.63
33-1021	F-L Sup/Mgr Fire Fght/Prevent Wrk	70	80	10	14.3%	<5	<5	<5	Work exp. in a related occupation	\$58,295	\$25.33 - \$33.53
33-1099	F-L Sups/Mgrs/Protect Svc Wrks/AO	30	40	10	33.3%	<5	<5	<5	Work exp. in a related occupation	\$46,918	\$19.05 - \$26.21
33-2011	Fire Fighters	460	530	70	15.2%	10	10	20	Long-term on-the-job training	\$40,066	\$12.49 - \$25.79
33-2020 <sup>(8)</sup>	Fire Inspectors	20	20	0	0.0%	<5	<5	<5			-
33-2021 <sup>(8)</sup>	Fire Inspect/Invest	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work exp. in a related occupation	\$52,931	\$19.72 - \$32.97
33-2022 <sup>(8)</sup>	Forest Fire Inspect/Prevent Spec	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work exp. in a related occupation		-
33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
33-3012	Correctional Officers/Jailers	380	440	60	15.8%	10	10	20	Moderate-term on-the-job training	\$32,845	\$14.08 - \$17.59
33-3021	Detectives/Criminal Investigators	90	100	10	11.1%	<5	<5	<5	Work exp. in a related occupation	\$50,852	\$23.12 - \$26.77
33-3031	Fish/Game Wardens	10	10	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$40,204	\$16.44 - \$22.01
33-3041	Parking Enforcement Wrks	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$31,332	\$12.90 - \$17.04
33-3051	Police/Sheriff's Patrol Officers	670	790	120	17.9%	10	20	30	Long-term on-the-job training	\$41,240	\$14.30 - \$24.88
33-9011	Animal Control Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
33-9021	Private Detectives/Investigators	20	20	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$28,122	\$8.51 - \$19.22
33-9031	Gaming Surveillance/Investogators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
33-9032	Security Guards	510	590	80	15.7%	10	10	20	Short-term on-the-job training	\$23,060	\$8.32 - \$13.03
33-9091	Crossing Guards	130	150	20	15.4%	<5	<5	<5	Short-term on-the-job training	\$20,221	\$9.13 - \$10.70
33-9099	Protective Service Wrks/All Other	210	230	20	9.5%	<5	10	10	Short-term on-the-job training	\$17,619	\$6.76 - \$8.54
<b>35-0000</b>	<b>Food Preparation &amp; Serving Occs</b>	<b>16,600</b>	<b>18,670</b>	<b>2,070</b>	<b>12.5%</b>	<b>210</b>	<b>660</b>	<b>870</b>		<b>\$16,583</b>	<b>\$6.19 - \$9.09</b>
35-1011	Chefs/Head Cooks	240	280	40	16.7%	<5	10	10	Postsecondary vocational training	\$23,661	\$6.44 - \$15.31
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrks	960	1,080	120	12.5%	10	20	30	Work exp. in a related occupation	\$27,948	\$10.40 - \$15.64
35-2011	Cooks/Fast Food	910	930	20	2.2%	<5	30	30	Short-term on-the-job training	\$14,538	\$6.05 - \$7.82
35-2012	Cooks/Institution/Cafeteria	530	530	0	0.0%	<5	20	20	Long-term on-the-job training	\$21,476	\$8.52 - \$11.69
35-2013	Cooks/Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
35-2014	Cooks/Restaurant	940	1,060	120	12.8%	10	30	40	Long-term on-the-job training	\$19,103	\$7.19 - \$10.49
35-2015	Cooks/Short Order	530	570	40	7.5%	<5	20	20	Short-term on-the-job training	\$17,112	\$6.39 - \$8.94
35-2021	Food Prep Wrks	1,080	1,290	210	19.4%	20	40	60	Short-term on-the-job training	\$16,877	\$7.05 - \$8.84
35-3011	Bartenders	1,620	1,710	90	5.6%	10	60	70	Short-term on-the-job training	\$18,240	\$7.30 - \$10.22
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	3,420	4,120	700	20.5%	70	150	220	Short-term on-the-job training	\$15,714	\$6.34 - \$8.46
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	530	600	70	13.2%	10	40	50	Short-term on-the-job training	\$14,904	\$6.18 - \$8.07
35-3031	Waiters/Waitresses	3,450	3,920	470	13.6%	50	180	230	Short-term on-the-job training	\$13,726	\$5.79 - \$6.75

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
35-3041	Food Servers/Nonrestaurant	250	280	30	12.0%	<5	10	10	Short-term on-the-job training	\$16,223	\$6.90 - \$8.65
35-9011	Dining Rm/Cafeter Atts/Bar Helpers	620	680	60	9.7%	10	20	30	Short-term on-the-job training	\$13,384	\$5.84 - \$6.88
35-9021	Dishwashers	980	1,030	50	5.1%	10	30	40	Short-term on-the-job training	\$13,787	\$5.91 - \$7.37
35-9031	Hosts Rest/Lounge/Coff Shop	380	440	60	15.8%	10	10	20	Short-term on-the-job training	\$15,855	\$6.19 - \$8.36
35-9099	Food Prep/Serving Rel Wrkrs/AO	140	150	10	7.1%	<5	<5	<5	Short-term on-the-job training	\$16,939	\$7.54 - \$8.80
<b>37-0000</b>	<b>Build &amp; Grounds Cleaning/Maint Occs</b>	6,430	7,520	1,090	17.0%	110	130	240		\$21,934	\$7.89 - \$12.51
37-1011	F-L Sups/Mgrs Hskpng/Janitrl Wrkrs	290	340	50	17.2%	10	10	20	Work exp. in a related occupation	\$31,328	\$10.09 - \$19.44
37-1012	F-L Sup/Mgr Land/Lawn/Grnds Wrk	110	130	20	18.2%	<5	<5	<5	Work exp. in a related occupation	\$39,486	\$12.98 - \$24.30
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	3,080	3,560	480	15.6%	50	60	110	Short-term on-the-job training	\$21,290	\$7.89 - \$12.19
37-2012	Maids/Housekpng Cleaners	1,760	2,050	290	16.5%	30	40	70	Short-term on-the-job training	\$17,971	\$7.11 - \$9.92
37-2021	Pest Control Wrkrs	20	30	10	50.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,234	\$8.96 - \$12.49
37-3011	Landscaping/Grndskpng Wrkrs	1,080	1,310	230	21.3%	20	20	40	Short-term on-the-job training	\$22,661	\$8.42 - \$12.75
37-3012	Pesticide Hndlr/Spraysr/Apps Veg	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,074	\$11.00 - \$14.01
37-3013	Tree Trimmers/Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
37-9099 <sup>(7)</sup>	Bldg/Grnds Cleanng/Maint Wrkrs AO	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$27,386	\$12.03 - \$13.94
<b>39-0000</b>	<b>Personal Care and Service Occs</b>	4,450	5,640	1,190	26.7%	120	100	220		\$19,638	\$7.20 - \$10.61
39-1011	F-L Sups/Mgrs of Gaming Wrkrs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-1021	F-L Sups/Mgrs of Persnl Serv Wrkrs	140	180	40	28.6%	<5	<5	<5	Work exp. in a related occupation	\$33,979	\$11.16 - \$19.02
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-2021	Nonfarm Animal Caretakers	80	100	20	25.0%	<5	<5	<5	Short-term on-the-job training	\$19,948	\$7.37 - \$10.95
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-3012	Gaming/Sports BookRunners	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-3021	Motion Picture Projectionists	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-3031	Ushers/Lobby Attend/Ticket Takers	100	100	0	0.0%	<5	10	10	Short-term on-the-job training	\$17,092	\$6.69 - \$9.74
39-3091	Amusement/Recreation Attendants	470	530	60	12.8%	10	10	20	Short-term on-the-job training	\$15,499	\$6.23 - \$7.93
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-3093	Lockr Rm/Coatrm/Dress Rm Attend	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-3199 <sup>(7)</sup>	Gaming Wrkrs, AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-4021	Funeral Attendants	30	40	10	33.3%	<5	<5	<5	Short-term on-the-job training	\$28,468	\$12.23 - \$16.23
39-5011	Barbers	20	20	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$22,600	\$6.94 - \$13.45
39-5012	Hairdress/Hairstyl/Cosmetologists	850	1,050	200	23.5%	20	20	40	Postsecondary vocational training	\$20,899	\$7.11 - \$12.42

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
39-5092	Manicurists/Pedicurists	30	40	10	33.3%	<5	<5	<5	Postsecondary vocational training	\$16,774	\$7.01 - \$8.93
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-5094	Skin Care Specialists	30	40	10	33.3%	<5	<5	<5	Postsecondary vocational training	\$20,396	\$7.59 - \$10.88
39-6011	Baggage Porters and Bellhops	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$14,251	\$6.10 - \$7.45
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-6021	Tour Guides and Escorts	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$26,369	\$12.15 - \$13.75
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-6032	Trans Atts/Ex Flight Atts/Bag Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-9011	Child Care Wrks	610	780	170	27.9%	20	20	40	Short-term on-the-job training	\$17,752	\$7.28 - \$9.10
39-9021	Personal and Home Care Aides	920	1,350	430	46.7%	40	20	60	Short-term on-the-job training	\$18,463	\$7.90 - \$9.98
39-9031	Fitness Trainers/Aerobics Instruct	280	370	90	32.1%	10	10	20	Postsecondary vocational training	\$18,898	\$7.32 - \$9.30
39-9032	Recreation Wrks	390	440	50	12.8%	10	10	20	Bachelor's degree	\$22,254	\$7.48 - \$12.27
39-9041	Residential Advisors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-9099	Personal Care/Service Wrks/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
<b>41-0000</b>	<b>Sales and Related Occs</b>	<b>16,240</b>	<b>18,350</b>	<b>2,110</b>	<b>13.0%</b>	<b>210</b>	<b>570</b>	<b>780</b>		<b>\$29,589</b>	<b>\$7.24 - \$15.83</b>
41-1011	F-L Sups/Mgrs of Rtl Sls Wrks	1,400	1,610	210	15.0%	20	30	50	Work exp. in a related occupation	\$34,307	\$11.56 - \$20.03
41-1012	F-L Sups/Mgrs of nonRtl Sls Wrks	250	310	60	24.0%	10	10	20	Work exp. in a related occupation	\$73,265	\$16.47 - \$41.71
41-2011	Cashiers	4,570	5,100	530	11.6%	50	220	270	Short-term on-the-job training	\$16,507	\$6.61 - \$8.69
41-2012	Gaming Change/Booth Cashiers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
41-2021	Counter and Rental Clerks	420	520	100	23.8%	10	20	30	Short-term on-the-job training	\$16,738	\$6.32 - \$9.26
41-2022	Parts Salespersons	290	280	-10	-3.4%	<5	10	10	Moderate-term on-the-job training	\$25,799	\$9.19 - \$15.26
41-2031	Retail Salespersons	5,420	6,060	640	11.8%	60	200	260	Short-term on-the-job training	\$20,194	\$6.99 - \$10.22
41-3011	Advertising Sales Agents	110	110	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$44,010	\$14.11 - \$25.98
41-3021	Insurance Sales Agents	160	200	40	25.0%	<5	<5	<5	Bachelor's degree	\$58,927	\$15.61 - \$27.77
41-3031	Sec/Comm/Fin Serv Sales Agents	80	100	20	25.0%	<5	<5	<5	Bachelor's degree	\$65,607	\$14.13 - \$44.71
41-3041	Travel Agents	80	60	-20	-25.0%	<5	<5	<5	Postsecondary vocational training	\$29,303	\$9.62 - \$16.77
41-4011	Sls Reps/Whlsl/Mfg/Tech/Sci Prods	410	480	70	17.1%	10	10	20	Moderate-term on-the-job training	\$66,522	\$25.28 - \$36.03
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	1,950	2,290	340	17.4%	30	50	80	Moderate-term on-the-job training	\$64,442	\$17.99 - \$47.27
41-9011	Demonstrators/Product Promoters	90	110	20	22.2%	<5	<5	<5	Moderate-term on-the-job training	\$19,619	\$7.33 - \$10.28
41-9021	Real Estate Brokers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
41-9022	Real Estate Sales Agents	70	90	20	28.6%	<5	<5	<5	Postsecondary vocational training	\$52,278	\$13.57 - \$35.50
41-9031	Sales Engineers	100	120	20	20.0%	<5	<5	<5	Bachelor's degree	\$66,659	\$24.97 - \$39.16
41-9041	Telemarketers	260	230	-30	-11.5%	<5	<5	<5	Short-term on-the-job training	\$22,926	\$7.82 - \$12.74

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-9091	Door Sales/News/St Vndrs/Rel Wrks	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$13,183	\$5.84 - \$6.69
41-9099	Sales/Related Wrks/All Other	350	440	90	25.7%	10	10	20	Moderate-term on-the-job training	\$42,793	\$10.60 - \$25.54
<b>43-0000</b>	<b>Office/Administrative Support Occs</b>	24,320	25,740	1,420	5.8%	140	570	710		\$26,699	\$9.40 - \$15.23
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrks	1,410	1,490	80	5.7%	10	30	40	Work exp. in a related occupation	\$43,281	\$14.86 - \$24.78
43-2011	Switchboard Oprs/Incl Answrng Srvc	250	240	-10	-4.0%	<5	10	10	Short-term on-the-job training	\$19,976	\$8.05 - \$11.07
43-2021	Telephone Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-2099	Communications Equipment Oprs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-3011	Bill/Account Collectors	220	270	50	22.7%	10	<5	10	Short-term on-the-job training	\$26,529	\$10.13 - \$15.17
43-3021	Billing/Posting Clerks/Machn Oprs	560	580	20	3.6%	<5	10	10	Moderate-term on-the-job training	\$25,949	\$10.22 - \$13.99
43-3031	Bookkeep/Account/Auditing Clerks	2,330	2,420	90	3.9%	10	40	50	Moderate-term on-the-job training	\$27,902	\$10.52 - \$16.06
43-3041	Gaming Cage Wrks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-3051	Payroll and Timekeeping Clerks	260	270	10	3.8%	<5	10	10	Moderate-term on-the-job training	\$29,358	\$11.68 - \$16.68
43-3061	Procurement Clerks	80	80	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$27,867	\$9.93 - \$14.59
43-3071	Tellers	670	760	90	13.4%	10	30	40	Short-term on-the-job training	\$20,368	\$8.64 - \$10.86
43-4011	Brokerage Clerks	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,477	\$8.75 - \$12.18
43-4021	Correspondence Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-4031	Court/Municipal/License Clerks	140	150	10	7.1%	<5	<5	<5	Short-term on-the-job training	\$31,106	\$11.99 - \$16.07
43-4041	Credit Authorizers/Checkers/Clerks	40	40	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$32,473	\$12.96 - \$16.94
43-4051	Customer Service Reps	1,690	2,010	320	18.9%	30	30	60	Moderate-term on-the-job training	\$29,520	\$9.98 - \$17.65
43-4061	Eligibility Interviewers/Gov't Progrms	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
43-4071	File Clerks	240	230	-10	-4.2%	<5	10	10	Short-term on-the-job training	\$20,387	\$7.99 - \$11.30
43-4081	Hotel/Motel/Resort Desk Clerks	430	510	80	18.6%	10	20	30	Short-term on-the-job training	\$17,662	\$7.42 - \$8.93
43-4111	Interviewers/Ex Eligibility/Loan	*	*	*	*	10	<5	10	Short-term on-the-job training	*	* - *
43-4121	Library Assts/Clerical	180	200	20	11.1%	<5	10	10	Short-term on-the-job training	\$20,894	\$7.92 - \$12.07
43-4131	Loan Interviewers/Clerks	130	110	-20	-15.4%	<5	<5	<5	Short-term on-the-job training	\$29,604	\$11.98 - \$16.05
43-4141	New Accounts Clerks	110	130	20	18.2%	<5	<5	<5	Work exp. in a related occupation	\$25,963	\$10.74 - \$13.99
43-4151	Order Clerks	430	380	-50	-11.6%	<5	10	10	Short-term on-the-job training	\$23,078	\$6.72 - \$14.22
43-4161	Human Res Assts/Ex Pay/Tmkpng	190	230	40	21.1%	<5	<5	<5	Short-term on-the-job training	\$30,219	\$11.86 - \$16.70
43-4171	Receptionists/Info Clerks	1,440	1,860	420	29.2%	40	40	80	Short-term on-the-job training	\$21,793	\$8.91 - \$11.68
43-4181	Res/Trans Ticket Agnts/Travl Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-4999 <sup>(7)</sup>	Fin/Info/Record Clerks/All Other	180	190	10	5.6%	<5	<5	<5	Short-term on-the-job training	\$27,145	\$9.90 - \$16.01
43-5011	Cargo/Freight Agents	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$25,038	\$6.79 - \$13.92
43-5021	Couriers/Messengers	80	70	-10	-12.5%	<5	<5	<5	Short-term on-the-job training	\$18,928	\$6.25 - \$11.18

### Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-5031	Police/Fire/Ambulance Dispatchers	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$34,235	\$14.07 - \$19.36
43-5032	Disp/Ex Police/Fire/Ambulance	140	160	20	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$31,706	\$12.65 - \$17.19
43-5041	Meter Readers/Utilities	60	50	-10	-16.7%	<5	<5	<5	Short-term on-the-job training	\$41,947	\$16.31 - \$24.40
43-5051	Postal Service Clerks	70	70	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$39,234	\$17.99 - \$20.33
43-5052	Postal Service Mail Carriers	360	360	0	0.0%	<5	10	10	Short-term on-the-job training	\$38,970	\$17.23 - \$20.69
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	240	210	-30	-12.5%	<5	10	10	Short-term on-the-job training	\$36,517	\$17.45 - \$20.18
43-5061	Production/Plan/Expediting Clerks	460	540	80	17.4%	10	10	20	Short-term on-the-job training	\$37,713	\$13.86 - \$21.50
43-5071	Shipping/Receiving/Traffic Clerks	1,050	1,060	10	1.0%	<5	20	20	Short-term on-the-job training	\$25,448	\$9.74 - \$14.44
43-5081	Stock Clerks/Order Fillers	1,940	1,840	-100	-5.2%	<5	70	70	Short-term on-the-job training	\$19,847	\$7.18 - \$11.34
43-5111	Weigh/Meas/Check/Sample/Rcrdkp	140	170	30	21.4%	<5	<5	<5	Short-term on-the-job training	\$28,683	\$11.82 - \$16.45
43-5199 <sup>(7)</sup>	Matrl Rec/Sched/Disp/Dist Wrks/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-6011	Executive Secretaries/Admin Assts	1,710	1,830	120	7.0%	10	30	40	Moderate-term on-the-job training	\$31,469	\$11.67 - \$18.02
43-6012	Legal Secretaries	190	230	40	21.1%	<5	<5	<5	Postsecondary vocational training	\$28,972	\$11.95 - \$15.95
43-6013	Medical Secretaries	270	320	50	18.5%	10	10	20	Postsecondary vocational training	\$24,403	\$10.17 - \$13.30
43-6014	Secretaries/Ex Legal/Medical/Exec	2,310	2,170	-140	-6.1%	<5	40	40	Moderate-term on-the-job training	\$24,640	\$9.62 - \$13.93
43-9011	Computer Oprs	150	120	-30	-20.0%	<5	<5	<5	Moderate-term on-the-job training	\$32,123	\$11.39 - \$19.61
43-9021	Data Entry Keyers	290	260	-30	-10.3%	<5	10	10	Moderate-term on-the-job training	\$24,313	\$9.66 - \$13.35
43-9022	Word Processors/Typists	180	100	-80	-44.4%	<5	<5	<5	Moderate-term on-the-job training	\$25,307	\$9.91 - \$14.01
43-9031	Desktop Publishers	50	50	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$29,458	\$8.89 - \$18.95
43-9041	Ins Claims/Policy Processng Clerks	130	140	10	7.7%	<5	<5	<5	Moderate-term on-the-job training	\$23,031	\$9.36 - \$12.93
43-9051	Mail Clerks/Mail Machn Oprs/Ex Postal Service	120	110	-10	-8.3%	<5	<5	<5	Short-term on-the-job training	\$22,756	\$9.55 - \$12.53
43-9061	Office Clerks/General	2,610	2,860	250	9.6%	30	60	90	Short-term on-the-job training	\$22,935	\$8.81 - \$12.92
43-9071	Office Machn Oprs/Ex Computer	60	50	-10	-16.7%	<5	<5	<5	Short-term on-the-job training	\$26,722	\$9.23 - \$16.26
43-9081	Proofreaders/Copy Markers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-9111	Statistical Assts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
43-9999 <sup>(7)</sup>	Sec/Admn Asst/Othr Offc Sup Wrks/AO	260	250	-10	-3.8%	<5	10	10	Short-term on-the-job training	\$26,671	\$10.11 - \$15.16
<b>45-0000</b>	<b>Farming/Fishing/Forestry Occs</b>	140	160	20	14.3%	<5	<5	<5		\$19,053	\$6.56 - \$11.14
45-1011	F-L Sups/Mgrs Farm/Fish/Forest Wrks	10	20	10	100.0%	<5	<5	<5	Work exp. in a related occupation	\$33,280	\$13.63 - \$19.46
45-1012	Farm Labor Contractors	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
45-2011	Agricultural Inspectors	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-2041	Graders/Sorters/Ag Prod	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
45-2091	Ag Equipment Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
45-2092	Farm/Labrrers/Crop/Nursry/Greenhs	20	30	10	50.0%	<5	<5	<5	Short-term on-the-job training	\$14,881	\$6.17 - \$7.33
45-2093	Farmwrks/Farm/Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
45-4011	Forest and Conservation Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-4022	Logging Equipment Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-4023	Log Graders/Scalers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-9099 <sup>(7)</sup>	Farming/Fishing/Forestry Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
<b>47-0000</b>	<b>Construction/Extraction Occs</b>	<b>7,370</b>	<b>8,930</b>	<b>1,560</b>	<b>21.2%</b>	<b>160</b>	<b>150</b>	<b>310</b>		<b>\$42,341</b>	<b>\$14.56 - \$25.43</b>
47-1011	First-Line Sup/Mgr Const Trades/Extr Wrks	510	610	100	19.6%	10	10	20	Work exp. in a related occupation	\$56,858	\$19.39 - \$31.84
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2021	Brickmasons/Blockmasons	200	240	40	20.0%	<5	<5	<5	Long-term on-the-job training	\$51,180	\$21.59 - \$29.86
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2031	Carpenters	1,310	1,600	290	22.1%	30	20	50	Long-term on-the-job training	\$37,280	\$13.70 - \$21.78
47-2041	Carpet Installers	70	90	20	28.6%	<5	<5	<5	Moderate-term on-the-job training	\$52,502	\$18.14 - \$33.36
47-2042	Floor Laysr/Ex Carpet/Wood/Tiles	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$40,143	\$12.88 - \$24.37
47-2043	Floor Sanders/Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2044	Tile/Marble Settrs	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$49,401	\$18.65 - \$27.47
47-2051	Cem Masons/Conc Finishrs	280	370	90	32.1%	10	10	20	Moderate-term on-the-job training	\$39,634	\$14.24 - \$23.02
47-2053	Terrazzo Wrks/Finish	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2061	Construction Laborers	880	1,050	170	19.3%	20	10	30	Moderate-term on-the-job training	\$34,913	\$12.53 - \$20.82
47-2071	Pavng/Surfacng/Tampng Equip Oprs	110	120	10	9.1%	<5	<5	<5	Moderate-term on-the-job training	\$40,193	\$17.43 - \$21.17
47-2072	Pile-Driver Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2073	Opng Engrns/Other Con Eqp Oprs	510	580	70	13.7%	10	10	20	Moderate-term on-the-job training	\$47,708	\$19.90 - \$26.65
47-2081	Drywall and Ceiling Tile Installers	100	130	30	30.0%	<5	<5	<5	Moderate-term on-the-job training	\$43,358	\$18.12 - \$24.53
47-2082	Tapers	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$48,004	\$20.04 - \$26.75
47-2111	Electricians	740	940	200	27.0%	20	20	40	Long-term on-the-job training	\$51,910	\$22.45 - \$28.20
47-2121	Glaziers	60	70	10	16.7%	<5	<5	<5	Long-term on-the-job training	\$37,312	\$11.91 - \$23.65
47-2130	Insulation Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2141	Painters/Const/Maint	280	330	50	17.9%	10	<5	10	Moderate-term on-the-job training	\$40,978	\$13.92 - \$23.89
47-2142	Paperhangers	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$46,344	\$19.65 - \$23.71
47-2151	Pipelayers	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$43,053	\$18.74 - \$23.65
47-2152	Plumbers/Pipefitters/Steamfitters	540	680	140	25.9%	10	10	20	Long-term on-the-job training	\$52,676	\$20.15 - \$32.20
47-2161	Plasterers/Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2171	Reinforcing Iron/Rebar Wrks	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *



# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
47-2181	Roofers	190	240	50	26.3%	10	<5	10	Moderate-term on-the-job training	\$28,193	\$10.57 - \$15.61
47-2211	Sheet Metal Wrks	360	440	80	22.2%	10	10	20	Moderate-term on-the-job training	\$36,882	\$12.97 - \$24.33
47-2221	Structural Iron and Steel Wrks	80	100	20	25.0%	<5	<5	<5	Long-term on-the-job training	\$63,260	\$25.03 - \$36.63
47-3011	Helpers-Brick/Block/Stone/Tile/Marble	80	90	10	12.5%	<5	<5	<5	Short-term on-the-job training	\$36,323	\$14.07 - \$20.65
47-3012	Helpers--Carpenters	70	90	20	28.6%	<5	<5	<5	Short-term on-the-job training	\$21,633	\$8.34 - \$11.91
47-3013	Helpers--Electricians	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
47-3014	Helpers--Paint/Paper/Plaster/Stucco	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$20,255	\$8.90 - \$10.71
47-3015	Helpers--Pipelay/Plumb/Pipe/Steam	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
47-3019	Helpers/Const Trades/All Other	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$31,803	\$10.53 - \$23.33
47-4011	Const/Bldg Inspectors	50	60	10	20.0%	<5	<5	<5	Work exp. in a related occupation	\$46,401	\$19.11 - \$26.63
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-4031	Fence Erectors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4041	Hazardous Materials Removal Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4051	Highway Maintenance Wrks	300	320	20	6.7%	<5	<5	<5	Moderate-term on-the-job training	\$34,478	\$11.10 - \$21.07
47-4061	Rail-Track Layng/Maint Eqmnt Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4071	Septic Tnk Srvcs/Sewer Pipe Clnrs	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,064	\$11.90 - \$16.98
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4999 <sup>(7)</sup>	Const Trades/Rel Wrks/AO	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$28,529	\$10.12 - \$16.64
47-5021	Earth Drillers/Ex Oil/Gas	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$47,075	\$20.65 - \$26.35
47-5031	Explsv/Ordnc Handling Exprts/Blastrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-5040 <sup>(8)</sup>	Mining Machine Oprs	0	0	0	0.0%	<5	<5	<5			-
47-5041 <sup>(8)</sup>	Cont Mining Mach Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Moderate-term on-the-job training	*	* - *
47-5042 <sup>(8)</sup>	Mine Cut/Channel Mach Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Moderate-term on-the-job training		-
47-5051	Rock Splitters, Quarry	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-5081	Helpers--Extraction Wrks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
<b>49-0000</b>	<b>Installation/Maint/Repair Occs</b>	<b>6,380</b>	<b>7,280</b>	<b>900</b>	<b>14.1%</b>	<b>90</b>	<b>150</b>	<b>240</b>		<b>\$35,514</b>	<b>\$12.44 - \$20.93</b>
49-1011	First-Line Supvsrs/Mgrs of Mechs/Inst/Rep	520	600	80	15.4%	10	10	20	Work exp. in a related occupation	\$49,846	\$17.87 - \$28.61
49-2011	Computer/ATM/Offc Machn Reprrs	90	100	10	11.1%	<5	<5	<5	Postsecondary vocational training	\$40,449	\$12.27 - \$28.02
49-2022	Telecm Eqp Inst/Reprrs/Ex Line Inst	100	110	10	10.0%	<5	<5	<5	Postsecondary vocational training	\$39,748	\$16.26 - \$22.35
49-2091	Avionics Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2092	Elec Motor/Power Tool/Rel. Reprrs	40	40	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$39,218	\$16.46 - \$21.66
49-2093	Elec Installers/Repairers/Trans Eqp	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
49-2094	Elec Repairers/Comm/Ind Equip	60	70	10	16.7%	<5	<5	<5	Postsecondary vocational training	\$34,882	\$14.13 - \$19.34
49-2095	Elec Reprsr/Powerhse/Substrn/Relay	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$53,481	\$24.70 - \$29.31
49-2096	Elec Equip Instlrs/Reprsr/Motor Veh	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2097	Elec Home Ent Eqpmnt Inst/Reprsr	20	20	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$26,709	\$9.35 - \$16.44
49-2098	Security/Fire Alarm Systems Inst	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2099 <sup>(7)</sup>	Elec Equip Mechs/Instlrs/Reprsr/AO	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-3011	Aircraft Mechanics/Service Techs	60	70	10	16.7%	<5	<5	<5	Postsecondary vocational training	\$34,730	\$10.85 - \$22.05
49-3021	Automotive Body/Related Repairers	330	380	50	15.2%	10	10	20	Long-term on-the-job training	\$36,723	\$14.05 - \$19.93
49-3022	Automotive Glass Installers/Reprsr	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-3023	Automotive Service Techs/Mechanics	1,070	1,200	130	12.1%	10	30	40	Postsecondary vocational training	\$31,106	\$10.71 - \$17.53
49-3031	Bus/Truck Mechs/Diesel Engrn Spec	300	350	50	16.7%	10	10	20	Postsecondary vocational training	\$37,100	\$14.78 - \$20.87
49-3041	Farm Equipment Mechanics	90	100	10	11.1%	<5	<5	<5	Postsecondary vocational training	\$24,591	\$9.18 - \$14.29
49-3042	Mobile Hvy Eqpmnt Mechs/Ex Engrs	120	130	10	8.3%	<5	<5	<5	Postsecondary vocational training	\$44,360	\$18.50 - \$24.24
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-3051	Motorboat Mechanics	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$30,922	\$12.68 - \$17.03
49-3052	Motorcycle Mechanics	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$35,005	\$14.61 - \$19.58
49-3053	Outdr Powr Eqp/Othr Sm Engrn Mchs	50	60	10	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,266	\$9.55 - \$16.53
49-3091	Bicycle Repairers	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$18,562	\$8.09 - \$9.97
49-3092	Recreational Vehicle Service Techs	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$27,293	\$10.36 - \$16.16
49-3093	Tire Repairers/Changers	90	90	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$19,828	\$7.99 - \$10.79
49-3099 <sup>(7)</sup>	Veh/Mbl Eqp Mechs/Instl/Reprsr/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9011	Mechanical Door Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9012	Cntrl/Valve Inst/Rep/Ex Mechn Door	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9021	Heating/AC/Refrig Mechs/Instlrs	200	270	70	35.0%	10	<5	10	Long-term on-the-job training	\$41,842	\$15.92 - \$23.17
49-9031	Home Appliance Repairers	60	70	10	16.7%	<5	<5	<5	Long-term on-the-job training	\$25,957	\$6.36 - \$17.42
49-9041	Industrial Machnry Mechanics	340	380	40	11.8%	<5	10	10	Long-term on-the-job training	\$41,014	\$16.40 - \$23.18
49-9042	Maint/Repair Wrksr/General	1,750	2,010	260	14.9%	30	30	60	Long-term on-the-job training	\$32,355	\$11.98 - \$19.28
49-9043	Maint Wrksr/Machnry	140	150	10	7.1%	<5	<5	<5	Long-term on-the-job training	\$35,899	\$15.31 - \$19.38
49-9044	Millwrights	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9045	Refractory Mtrls Reprs/Ex Brickmsns	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,309	\$10.76 - \$20.62
49-9051	Elec Power-Line Installrs/Repairers	110	110	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$48,628	\$17.12 - \$28.11
49-9052	Telecomm Line Installers/Reprsr	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree	*	* - *

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
49-9063	Musical Instr Repairers/Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9069	Precision Inst/Eqpmnt Repairers/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9091	Coin/Vend/Amuse Machn Serv/Repr	50	60	10	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,971	\$12.10 - \$14.25
49-9092	Commercial Drivers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9094	Locksmiths/Safe Repairers	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,899	\$9.61 - \$12.44
49-9095	Manufactured Bldg/Mobile Home Inst	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
49-9098	Helpers--Install/Maint/Repair Wrks	180	210	30	16.7%	<5	10	10	Short-term on-the-job training	\$23,089	\$8.16 - \$12.75
49-9099	Installation/Maint/Repair Wrks/AO	90	100	10	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$40,352	\$14.51 - \$24.48
<b>51-0000</b>	<b>Production Occs</b>	<b>26,630</b>	<b>27,370</b>	<b>740</b>	<b>2.8%</b>	<b>70</b>	<b>640</b>	<b>710</b>		<b>\$30,425</b>	<b>\$10.71 - \$17.32</b>
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	1,680	1,890	210	12.5%	20	40	60	Work exp. in a related occupation	\$49,398	\$17.46 - \$28.03
51-2011	Aircraft Struct/Surf/Riggng/Sys Assembler	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-2021	Coil Winders/Tapers/Finishers	240	220	-20	-8.3%	<5	10	10	Short-term on-the-job training	\$26,712	\$9.67 - \$16.12
51-2022	Electrical/Electronic Eqpmnt Assemblers	650	570	-80	-12.3%	<5	20	20	Short-term on-the-job training	\$25,264	\$9.62 - \$14.63
51-2023	Electromechanical Eqpmnt Assemblers	170	160	-10	-5.9%	<5	<5	<5	Short-term on-the-job training	\$26,609	\$10.63 - \$14.03
51-2031	Engine/Other Machn Assemblers	200	190	-10	-5.0%	<5	10	10	Short-term on-the-job training	\$35,448	\$12.84 - \$20.09
51-2041	Structural Metal Fabricators/Fitters	250	260	10	4.0%	<5	10	10	Moderate-term on-the-job training	\$31,662	\$11.12 - \$18.43
51-2091	Fiberglass Laminators/Fabricators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-2092	Team Assemblers	4,010	3,800	-210	-5.2%	<5	100	100	Moderate-term on-the-job training	\$27,958	\$9.97 - \$14.80
51-2093	Timng Device Assemb/Adjustrs/Calibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-2099	Assemblers/Fabricators/All Other	350	340	-10	-2.9%	<5	10	10	Moderate-term on-the-job training	\$24,148	\$8.89 - \$14.74
51-3011	Bakers	300	340	40	13.3%	<5	10	10	Long-term on-the-job training	\$22,068	\$8.40 - \$12.43
51-3021	Butchers/Meat Cutters	230	230	0	0.0%	<5	10	10	Long-term on-the-job training	\$30,996	\$12.03 - \$17.44
51-3022	Meat/Poultry/Fish Cutters/Trimmers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-3023	Slaughterers/Meat Packers	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	* - *
51-3091	Food/Tobac Bake/Dry/Mchn Op/Tndrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-3092	Food Batchmakers	190	210	20	10.5%	<5	10	10	Short-term on-the-job training	\$23,225	\$8.27 - \$14.21
51-3093	Food Cooking Machn Oprs/Tendrs	80	90	10	12.5%	<5	<5	<5	Short-term on-the-job training	\$26,095	\$11.16 - \$13.72
51-3099 <sup>(7)</sup>	Food Processing Wrks/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-4011	Comp-Cntrld Machn Tool Op/M/P	740	810	70	9.5%	10	10	20	Moderate-term on-the-job training	\$30,599	\$11.50 - \$17.34
51-4012	Num Tool/Procss Cntrl Programms	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$38,059	\$13.09 - \$21.51
51-4021	Extrud/Draw Mchn Set/Op/Tndrs/M/P	250	280	30	12.0%	<5	10	10	Moderate-term on-the-job training	\$26,912	\$9.82 - \$15.84

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

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51-4022	Forge Machn Set/Op/Tndrs/M/P	140	160	20	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$26,721	\$10.45 - \$15.52
51-4023	Roll Machn Set/Op/Tndrs/M/P	70	70	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,165	\$15.05 - \$19.27
51-4031	Cut/Punch/Press Set/Op/Tndrs/M/P	930	950	20	2.2%	<5	20	20	Moderate-term on-the-job training	\$30,558	\$10.89 - \$18.19
51-4032	Drill/Bore Tool Set/Op/Tndrs/M/P	160	160	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$30,752	\$11.94 - \$17.40
51-4033	Grind/Lap/Polish/Buf Set/Op/Tnd/M/P	460	470	10	2.2%	<5	10	10	Moderate-term on-the-job training	\$31,689	\$11.64 - \$17.90
51-4034	Lathe/Turn Tool Set/Op/Tndrs/M/P	300	300	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$29,188	\$11.28 - \$16.33
51-4035	Mill/Plane Mchn Set/Op/Tndrs/M/P	80	80	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,576	\$12.24 - \$17.13
51-4041	Machinists	1,090	1,140	50	4.6%	10	30	40	Long-term on-the-job training	\$33,255	\$13.34 - \$18.48
51-4051	Metal-Refining Furnace Ops/Tendrs	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$35,459	\$15.14 - \$19.57
51-4052	Pourers/Casters/Metal	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,859	\$11.45 - \$15.89
51-4061	Model Makers/Metal/Plastic	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$44,670	\$18.49 - \$24.78
51-4062	Patternmakers/Metal/Plastic	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$39,506	\$16.43 - \$21.80
51-4071	Foundry Mold/Coremakers	110	100	-10	-9.1%	<5	<5	<5	Moderate-term on-the-job training	\$27,566	\$11.10 - \$14.95
51-4072	Mold/Core/Cast Set/Op/Tndrs/M/P	550	590	40	7.3%	<5	10	10	Moderate-term on-the-job training	\$27,621	\$11.45 - \$14.86
51-4081	Mult Mchn Tool Set/Op/Tndrs/M/P	500	530	30	6.0%	<5	10	10	Moderate-term on-the-job training	\$37,311	\$13.31 - \$23.98
51-4111	Tool and Die Makers	500	500	0	0.0%	<5	10	10	Long-term on-the-job training	\$41,665	\$16.14 - \$24.27
51-4121	Welders/Cutters/Solderers/Brazers	930	1,050	120	12.9%	10	30	40	Postsecondary vocational training	\$29,690	\$11.55 - \$16.76
51-4122	Weld/Solder/Braze Mchn Set/Op/Tnd	280	250	-30	-10.7%	<5	10	10	Moderate-term on-the-job training	\$37,970	\$15.00 - \$22.43
51-4191	Heat Treat Eqp Set/Op/Tndrs/M/P	100	100	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,689	\$10.90 - \$15.63
51-4192	Lay-Out Wrkrs/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4193	Plate/Coat Mchn Set/Op/Tndrs/M/P	100	100	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,272	\$10.01 - \$14.21
51-4194	Tool Grinders/Filers/Sharpeners	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$44,236	\$18.37 - \$25.26
51-4199	Metal Wrkrs/Plastic Wrkrs/All Other	210	220	10	4.8%	<5	10	10	Moderate-term on-the-job training	\$27,756	\$10.50 - \$16.07
51-5011	Bindery Wrkrs	240	260	20	8.3%	<5	10	10	Moderate-term on-the-job training	\$21,739	\$7.88 - \$11.74
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-5021	Job Printers	60	70	10	16.7%	<5	<5	<5	Long-term on-the-job training	\$33,668	\$12.21 - \$20.63
51-5022	Prepress Techs/Wrkrs	140	120	-20	-14.3%	<5	<5	<5	Long-term on-the-job training	\$29,289	\$10.30 - \$16.68
51-5023	Printing Machn Oprs	340	350	10	2.9%	<5	10	10	Moderate-term on-the-job training	\$29,692	\$10.99 - \$16.72
51-5099 <sup>(7)</sup>	Printing Wrkrs/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6011	Laundry/Dry-Cleaning Wrkrs	250	290	40	16.0%	<5	10	10	Moderate-term on-the-job training	\$17,787	\$7.07 - \$9.86
51-6021	Pressers/Textile/Garment/Rel Mtrls	100	90	-10	-10.0%	<5	<5	<5	Short-term on-the-job training	\$20,244	\$7.69 - \$11.38
51-6031	Sewing Machine Oprs	320	290	-30	-9.4%	<5	<5	<5	Moderate-term on-the-job training	\$19,696	\$7.91 - \$11.09
51-6041	Shoe/Leather Wrkrs/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

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51-6051	Sewers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-6052	Tailors/Dressmakrs/Custom Sewrs	60	50	-10	-16.7%	<5	<5	<5	Work exp. in a related occupation	\$18,618	\$7.90 - \$10.32
51-6061	Textl Bleach/Dye Mchn Ops/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6062	Textl Cuttng Mchn Set/Op/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6063	Textl Knit/Weav Mchn Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-6064	Textl Wind/Twist/Draw Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6091	Extr/Form Set/Op/Tnd/Syn/Glss Fibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6092	Fabric/Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-6093	Upholsterers	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$49,934	\$10.43 - \$21.63
51-6099	Textile/Apparel/Furnishng Wrks/AO	20	10	-10	-50.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,629	\$12.00 - \$16.33
51-7011	Cabinetmakers/Bench Carpenters	130	130	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$32,804	\$12.54 - \$19.03
51-7021	Furniture Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-7031	Model Makers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-7032	Patternmakers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-7041	Saw Machn Set/Op/Tendrs/Wood	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,877	\$10.09 - \$13.29
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-7099	WoodWrks, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-8010 <sup>(8)</sup>	Pwr Plnt Oprs/Distributrs/Dispatchrs	70	70	0	0.0%	<5	<5	<5			-
51-8011 <sup>(8)</sup>	Nuc Power Reactor Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	* - *
51-8012 <sup>(8)</sup>	Power Dist/Disp	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	* - *
51-8013 <sup>(8)</sup>	Power Plant Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	\$38,868	\$15.42 - \$21.65
51-8021	Stationary Engineers/Boiler Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-8031	Watr/Lqd Waste Trtmt Plant/Sys Op	100	100	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$39,955	\$17.79 - \$21.31
51-8091	Chemical Plant/System Oprs	90	90	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$32,027	\$13.39 - \$17.19
51-8092	Gas Plant Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-8099	Plant/System Oprs/All Other	10	10	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$32,173	\$12.88 - \$18.20
51-9011	Chemical Equipment Oprs/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9012	Sep/Filtr/Clarify/Prec/Still Set/Op/Tnd	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$35,347	\$14.41 - \$19.97
51-9021	Crush/Grnd/Polish Set/Op/Tndrs	150	140	-10	-6.7%	<5	<5	<5	Moderate-term on-the-job training	\$26,945	\$11.62 - \$14.06
51-9022	Grinding/Polishing Wrks/Hand	130	130	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,088	\$10.84 - \$17.85
51-9023	Mix/Blend Machn Settrs/Oprs/Tendrs	290	270	-20	-6.9%	<5	10	10	Moderate-term on-the-job training	\$29,305	\$10.71 - \$17.36
51-9031	Cutters/Trimmers/Hand	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$23,901	\$10.02 - \$12.91
51-9032	Cut/Slice Machn Settrs/Oprs/Tendrs	160	180	20	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$25,067	\$10.60 - \$13.26

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

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51-9041	Extr/Form/Press/Compct Set/Op/Tnd	310	320	10	3.2%	<5	10	10	Moderate-term on-the-job training	\$31,868	\$12.57 - \$17.54
51-9051	Furnce/Kln/Ov/Drier/Kettle Op/Tndrs	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,002	\$11.81 - \$14.18
51-9061	Inspect/Test/Sort/Sample/Weighers	950	1,020	70	7.4%	10	20	30	Moderate-term on-the-job training	\$30,915	\$11.42 - \$17.24
51-9071	Jewel/Precious Stone/Metal Wrkrs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
51-9081	Dental Lab Techs	90	90	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$30,903	\$10.06 - \$17.17
51-9082	Medical Appliance Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-9083	Ophthalmic Lab Techs	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$20,676	\$8.31 - \$11.55
51-9111	Packagng/Filling Machn Oprs/Tendrs	1,680	1,880	200	11.9%	20	30	50	Short-term on-the-job training	\$26,620	\$10.16 - \$15.98
51-9121	Coat/Paint/Spray Mchn Set/Op/Tndrs	390	430	40	10.3%	<5	10	10	Moderate-term on-the-job training	\$24,549	\$9.74 - \$13.45
51-9122	Painters/Trans Equipment	60	80	20	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$32,649	\$13.67 - \$18.63
51-9123	Painting/Coating/Decorating Wrkrs	100	110	10	10.0%	<5	<5	<5	Short-term on-the-job training	\$22,586	\$8.65 - \$12.61
51-9131	Photographic Process Wrkrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9132	Photographic Processng Mchn Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-9141 <sup>(8)</sup>	Semiconductor Processors	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Associate degree	*	* - *
51-9191	Cementng/Glung Mchn Oprs/Tendrs	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,823	\$10.07 - \$14.92
51-9192	Cln/Wash/Mtl Pickling Eqp Ops/Tndrs	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,580	\$12.23 - \$16.51
51-9193	Coolng/Freezng Eqpmnt Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9194	Etchers/Engravers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-9195	Moldrs/Shaprs/Castrs/Ex Mtl/Plastic	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,625	\$9.97 - \$14.99
51-9196	Paper Gds Machn Settrs/Oprs/Tndrs	190	200	10	5.3%	<5	<5	<5	Moderate-term on-the-job training	\$30,221	\$8.94 - \$18.46
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9198	Helpers--Production Wrkrs	1,780	1,810	30	1.7%	<5	50	50	Short-term on-the-job training	\$26,448	\$12.21 - \$14.46
51-9199 <sup>(8)</sup>	Production Wrkrs/All Other	*	*	*	*	<5	20	20	Moderate-term on-the-job training	*	* - *
<b>53-0000</b>	<b>Trans/Material Moving Occs</b>	<b>12,690</b>	<b>14,230</b>	<b>1,540</b>	<b>12.1%</b>	<b>150</b>	<b>280</b>	<b>430</b>		<b>\$26,613</b>	<b>\$9.10 - \$15.56</b>
53-1011	Aircraft Cargo Handling Supvsrs	10	10	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$63,243	\$24.51 - \$37.22
53-1021	F-L Sups/Mgrs Help/Lab/Matrl Movrs	230	250	20	8.7%	<5	10	10	Work exp. in a related occupation	\$42,846	\$16.11 - \$24.93
53-1031	F-L Sups/Mgrs Trans/Matrl-Mov Oprs	270	310	40	14.8%	<5	10	10	Work exp. in a related occupation	\$44,828	\$16.34 - \$25.34
53-2011	Airline Pilots/Copilots/Flight Engins	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
53-2012	Commercial Pilots	20	30	10	50.0%	<5	<5	<5	Postsecondary vocational training	\$51,748	-
53-2021	Air Traffic Controllers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
53-2022 <sup>(8)</sup>	Airfield Operations Specialists	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	* - *
53-3011	Ambulance Drivers/Atts/Ex EMTs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-3021	Bus Drivers/Transit/Intercity	210	250	40	19.0%	<5	10	10	Moderate-term on-the-job training	\$35,971	\$15.37 - \$19.86

# Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
53-3022	Bus Drivers/School	830	1,060	230	27.7%	20	20	40	Short-term on-the-job training	\$24,964	\$10.23 - \$13.83
53-3031	Driver/Sales Wrkrs	420	440	20	4.8%	<5	10	10	Short-term on-the-job training	\$22,882	\$6.62 - \$14.64
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,230	2,700	470	21.1%	50	40	90	Moderate-term on-the-job training	\$36,044	\$14.01 - \$20.62
53-3033	Truck Drivers/Light or Delivery Svcs	1,230	1,460	230	18.7%	20	10	30	Short-term on-the-job training	\$27,222	\$9.38 - \$15.74
53-3041	Taxi Drivers and Chauffeurs	150	190	40	26.7%	<5	<5	<5	Short-term on-the-job training	\$22,367	\$9.06 - \$10.96
53-3099	Motor Vehicle Oprs/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-5011	Sailors and Marine Oilers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-5021	Cptns/Mates/Pilots of Watr Vessels	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
53-5022	Motorboat Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-6011 <sup>(8)</sup>	Bridge and Lock Tenders	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	* - *
53-6021	Parking Lot Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-6031	Service Station Attendants	120	130	10	8.3%	<5	10	10	Short-term on-the-job training	\$18,306	\$7.08 - \$10.35
53-6041 <sup>(8)</sup>	Traffic Techs	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	* - *
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
53-6099 <sup>(8)</sup>	Trans Wrkrs/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7011	Conveyor Oprs and Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7021	Crane and Tower Oprs	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$38,151	\$10.46 - \$29.27
53-7031	Dredge Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7032	Excvtng/Loadng Mchn/Dragnline Oprs	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$41,016	\$13.69 - \$22.21
53-7033	Loadng Mchn Oprs/Undrgrnd Mining	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7041	Hoist and Winch Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7051	Industrial Truck/Tractor Oprs	1,260	1,360	100	7.9%	10	20	30	Short-term on-the-job training	\$26,746	\$11.05 - \$14.65
53-7061	Cleaners of Vehicles/Equipment	450	500	50	11.1%	10	20	30	Short-term on-the-job training	\$18,603	\$7.45 - \$10.30
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	2,690	2,730	40	1.5%	<5	90	90	Short-term on-the-job training	\$23,417	\$8.80 - \$13.12
53-7063	Machn Feeders/Offbearers	300	300	0	0.0%	<5	10	10	Short-term on-the-job training	\$23,432	\$9.47 - \$12.91
53-7064	Packers/Packagers/Hand	1,700	1,860	160	9.4%	20	30	50	Short-term on-the-job training	\$20,574	\$7.79 - \$11.43
53-7071	Gas Compressor/Gas Station Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7072	Pump Oprs/Ex Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7081	Refuse/Recyclable Mtrl Collectors	120	130	10	8.3%	<5	<5	<5	Short-term on-the-job training	\$31,827	\$13.77 - \$17.64
53-7199	Material Moving Wrkrs/All Other	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$31,493	\$9.99 - \$19.38

## Occupation Projections for Southeast Wisconsin Workforce Development Area 2002-2012

### Notes:

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed, unpaid family workers, or railroad employees.
- (2) Replacements are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Typical Education and Training Path gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
  - Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
  - Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
  - Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
  - Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
  - Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
  - Associate Degree: This degree requires two years of full-time academic work beyond high school.
  - Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
  - Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.
  - Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.
  - First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.
  - Bachelor's or higher degree, plus work experience: This requires a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation. Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
- (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
- (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.
  - 47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.
  - 51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.
  - 51-9199 includes employment for 51-9141. Education/training and wages are shown individually, if available.
  - 53-6099 includes employment for 53-2022, 53-6011, and 53-6041. Education/training and wages are shown individually, if available.
- (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common for the occupation of registered nurse.

\* Data is suppressed to preserve the confidentiality of employers. Some occupations with all suppressed data deleted.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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